

HALE COMPUED STRAIGES OF ANDER LOA

Monsanto Technology C. T. C.

MICEPAS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE **EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT** VARIETY PROTECTION UNDER THE LAW.

YOW. THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY BARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLEMISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE EXCLUDE OTHERS FROM SELLING THE WARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR RI ING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ERPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN, FIELD

'1060062'

In Testimone Murrers, I have hereunto set my hand and caused the seal of the Hant Hariety Arotection Office to be affixed at the City of Washington, D.C. this twenty-ninth day of April, in the year two thousand and eight.

Agricultural Marketing Service

Whate

REPRODUCE LOCALLY. Include form number and date on all reproductions Form Approved - OMB No. 0581-0055 U.S. DEPARTMENT OF AGRICULTURE The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and AGRICULTURAL MARKETING SERVICE the Paperwork Reduction Act (PRA) of 1995. SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426). APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse) 1. NAME OF OWNER 2. TEMPORARY DESIGNATION OR 3. VARIETY NAME EXPERIMENTAL NAME Monsanto Technology L.L.C. 1060062 None 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 5. TELEPHONE (include area code) FOR OFFICIAL USE ONLY PVPO NUMBER (815) 758-9281 800 N. Lindbergh Blvd. 6. FAX (include area code) Creve Coeur, MO 63167 200500159 U.S.A. (815) 758-3117 7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF IF INCORPORATED, GIVE 9. DATE OF INCORPORATION ORGANIZATION (corporation, partnership, association, etc.) Feb. 24,2005 STATE OF INCORPORATION August 27, 1999 Corporation Delaware 10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) FILING AND EXAMINATION FEES: \$ 3652.00 Timothy R. Kain Michael J. Roth 8350 Minnegan Road 800 N. Lindbergh Blvd. Waterman, IL 60556 Creve Coeur, MO 63167 U.S.A. U.S.A. E D 11. TELEPHONE (Include area code) 12. FAX (Include area code) 13. E-MAII 14. CROP KIND (Common Name) trkain@monsanto.com (815) 758-9281 (815) 758-3117 Corn, Field 15. GENUS AND SPECIES NAME OF CROP 16. FAMILY NAME (Botanical) 17. IS THE VARIETY A FIRST GENERATION HYBRID? Zea mays Graminae ☐ YES X NO 19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF 18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act) a. X Exhibit A. Ongin and Breeding History of the Variety X_i NO (If "no", go to item 22) YES (If "yes", answer items 20 and 21 below) X Exhibit B. Statement of Distinctness 20. DOES THE OWNER SPECIFY THAT SEED OF THIS \Box YES □ мо VARIETY BE LIMITED AS TO NUMBER OF CLASSES? X Exhibit C. Objective Description of Variety Exhibit D. Additional Description of the Variety (Optional) IF YES, WHICH CLASSES? FOUNDATION REGISTERED ☐ CERTIFIED X Exhibit E. Statement of the Basis of the Owner's Ownership 21. DOES THE OWNER SPECIFY THAT SEED OF THIS \Box □ NO VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? Voucher Sample (2.500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. FOUNDATION REGISTERED CERTIFIED g. X Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) (If additional explanation is necessary, please use the space indicated on the reverse.) 22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. 23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? OR OTHER COUNTRIES? □ NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.) IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.) The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. 24. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties. SIGNATURE OF OWNER SIGNATURE OF OWNER NAME (Please print or type) NAME (Please print or type) Timothy R. Kain

CAPACITY OR TITLE

CAPACITY OR TITLE

Patent Scientist

ST-470 (02-10-2003) designed by the Plant Variety Protection Office using Word 2000. Repla

(See reverse for instructions and information collection burden statement)

DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance. etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21, CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Parent of a hybrid sold in the U.S. - March 2004

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

U.S. Patent Application No. 10/820,219 - filed April 6, 2004 (1060062)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whiten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

TDD). USDA is an equal opportunity provider and employer.
ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

Origin and Breeding History I060062

Corn Variety I060062 was selected for reduced green snap potential and improved female seed characteristics.

Winter 1995-96	Inbred line 90DJD28 (a proprietary DEKALB Genetics Corporation inbred) was crossed to 90DHQ2 (a proprietary DEKALB Genetics Corporation inbred) (Elite Crossing Nursery row E101 X row E103).
Summer 1996	F1 seed was grown and self-pollinated (row 247-37). Harvested ears were bulked.
Winter 1996-97	F2 seed was grown ear-to-row and self-pollinated (rows 7F: 17-52 to 7F: 18-49). 22 ears were harvested.
Summer 1997	F3 seed was grown ear-to-row and self-pollinated (rows 239-35 to 239-56). 1 ear was selected from row 239-46.
Winter 1997-98	F4 seed was grown ear-to-row and self-pollinated (row 6M: 19-36). 3 ears were selected.
Summer 1998	F5 seed was grown ear-to-row and self-pollinated (rows 415-38 to 415-40). F6 seed from row 416-38 was given the code corn variety I060062 .
Winter 1998-99	F6 seed was grown ear-to-row and self-pollinated (rows 80SS 2360 and 2361). 10 ears were harvested from of these two rows.
Summer 1999	F7 seed was grown ear-to-row and self-pollinated (rows 614-39 to 614-20). F8 seed from row 614-39 was bulked.

Statement of Stability and Uniformity

Corn variety I060062 was coded in 1998 and has been reproduced and judged stable for the past three generations by self-pollination. Corn variety I060062 is uniform for all traits observed.

Statement of Variants

Corn variety 1060062 shows no variants other than that would be expected due to environment or that would occur for almost any character during the course of repeated sexual reproduction.

Statement of Distinctness

Monsanto Technology L.L.C. believes that Corn Variety I060062 is most similar to Corn Variety 90DJD28, a proprietary inbred of DEKALB Genetics Corporation (PVP No. 9700167).

Corn Variety I060062 and 90DJD28 differ most significantly for the following traits:

Trait	1060062	90DJD28
Leaf Sheath	Moderate	Heavy
Pubescence*	(4)	(8)
Leaf Longitudinal	Moderate	None
Creases*	(4)	(1)
Silk Color	Tan	Pink
,	(2.5 Y 8/10)	(2.5 R 7/6)

^{* -} based on a scale of 1 = none to 9 = very heavy or many

EXHIBIT B (revised) (addendum)

Statement of Distinctness

Monsanto Technology L.L.C. believes that Corn Variety 1060062 is most similar to Corn Variety 90DJD28, a proprietary inbred of DEKALB Genetics Corporation (PVP No. 9700167).

Corn Variety I060062 and 90DJD28 differ most significantly for the following traits:

2000

Variety	Tassel Branch Angle (degrees)
1060062	13.2 Std Dev = 3.5, N=10
90DJD28	34.0 Std Dev = 3.7, N=10
P_Val	0.00
Signif,	**

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Variety	Tassel Branch Angle
	(degrees)
1060062	16.3
	Std Dev = 3.3, N=10
90DJD28	33.8
	Std Dev = 4.2, N=10
P_Val	0.00
Signif.	**

Significance levels are indicated as: + = 10%, * = 5 %, ** = 1%

Corn Variety I060062 has a narrower tassel branch angle than comparative corn variety 90DJD28

Description of Experimental Design

The corn varieties I060062, 90DJD28 and B73 were grown at the Waterman, IL observation nursery in years 2000-2001 (B73 2000-2003) The varieties were planted in 2 row plots with 15 plants per row in each of the three years. Trait data were collected on 10 random representative plants for most traits from each 2 row plot. Data on qualitative traits are usually collected on 10 plants from each 2 row plot. For Exhibit C all data were pooled and reported as means across the years for subject variety and the standard variety with standard deviation. The varieties are randomly planted in a 4.5 acre observation nursery which is located within a larger 18 acre field. Besides the observation nursery, this field consists of a research seed increase nursery and an IP seed inventory nursery. The location of each of these individual nurseries is rotated each year to a different location within the 18 acre field. Therefore subject inbreds are not planted adjacent to comparative or standard varieties and may be located in different areas of the larger field each year, therefore being influenced by spacial differences within the field. Growing conditions within the field are not uniform as there are some slight topographical variations such

EXHIBIT B (revised)

as lower areas which may accumulate and retain water or higher areas which are usually drier. The field is tiled and therefore a variety maybe planted close to a tile line while a comparative variety maybe planted further away and in a low spot within the field. Temporal varieties can exist as weather conditions from year to year can vary as well as planting dates can vary from year to year based on weather conditions. Weather conditions each year can vary the maturity rate of the varieties due to either favorable or unfavorable growing conditions.

Trait variability is not observed for each variety within its own test plot-plants are usually uniform and data are collected on the "most" representative plants- variability occurs due to spacial location of the test plot for that variety from year to year and to the temporal variation of weather conditions from year to year during the 2-3 years data are collected.

Waterman Research Station Weather Data 2001-2002

Date	Average Precip. (mm)	Ave. Monthly Temp – Max. (F°)	Ave. Monthly Temp-Min (F°)	Ave. Monthly Rel. Humid Max (%)	Ave. Monthly Rel. Humid – Min (%)
June 2000	6.5	76.7	56.6	92.3	50.7
July 2000	3.6	80.3	60.1	93.3	57.0
August 200	4.6	81.3	60.3	95.0	56.4
Sept 2000	4.6	75.8	51.6	91.4	45.4
June 2001	3.2	77.2	56.5	93.2	48.8
July 2001	1.4	84.9	62.2	93.9	47.1
August 2001	2.4	82.9	61.3	96.8	55.8
Sept. 2001	4.9	71.4	48.7	95.4	50.9

United States Department of Agriculture, Agricultural Marketing Service Science Division, Plant Variety Protection Office National Agricultural Library Building, Room 500 Beltsville, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea mays L.)

Name of Applicant(s)	urce Variety Name or Temporary Designation			
Monsanto Technology L.L.C.		1060062		
Address (Street & No., or R.F.D. No., City, State, Zip Code and Cou	ntry)	FOR	OFFICIAL USE	
800 N. Lindbergh Blvd., Creve Coeur, MO U.S.A.		PVPC	Number 200500/	59
Place the appropriate number that describes the varietal characters whole numbers by adding leading zeroes if necessary. Completeness Traits designated by a '*' are considered necessary for an adequate	chould be etrizen for	to catablial	n the spaces below.	Dight instifu
COLOR CHOICES (Use in conjunction with Munsell color code to descri 01=Light Green 06=Pale Yellow 11=Pink 02=Medium Green 07=Yellow 12=Light R 03=Dark Green 08=Yellow-Orange 13=Cherry 04=Very Dark Green 09=Salmon 14=Red 05=Green-Yellow 10=Pink-Orange 15=Red & W.	ed 16=Pale E 17=Purple Red 18=Color1 19=White	Purple e less	5 and #26 in Comments 21=Buff 22=Tan 23=Brown 24=Bronze 25=Variegated (De 26=Other (Describ	scribe)
B14 CM105, A632, B64, B68 Oh B37 B37, B76, H84 W1 B73 N192, A679, B73, NC268 W1: C103 Mo17, Val02, Va35, A682 Oh43 A619, MS71, H99, Va26 Whi	low Dent (Unrelated):	C13,	ns based on grow-out Sweet Corn: Iowa5125, P39, 2132 Popcorn: SG1533, 4722, HP301, Pipecorn: Mo15W, Mo16W, Mo24W	
1. TYPE: (describe intermediate types in Comments section)		Standard Inbred Name B73		
* 8 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Ornamental 7=Pip	pecorn 8=Flint-Dent	2	Indica Name Did	
2. REGION WHERE DEVELOPED IN THE U.S.A.:		Standard Seed Source NCRIPS		
* 2 1=Northwest 2=Northcentral 3=Northeast 4=Southeast 5=Sout 6=Southwest 7=Other	thcentral	2		
3. MATURITY (In Region Best Adaptability; show Heat Unit formula in	"Comments"			
section): DAYS HEAT UNITS		DAYS 7 4	HEAT UNITS 1 6 0 8.5	
* 0 7 9 1 5 4 3. 0 From emergence to 50% of plants * 0 7 9 1 5 4 3. 0 From emergence to 50% of plants		7 4	1 5 5 5.0	
From 10% to 90% pollen shed	In porten		· · -	
(*) From 50% silk to optimum edible	quality			
From 50% silk to harvest at 25%	moisture			
4. PLANT: Standard Devi	ation Sample Size		Standard Deviation	Sample Size
* 1 7 9.9 cm Plant Height (to tassel tip) 5.7	20	2 0 9.6	13.2	30
* 0 5 9.4 cm Ear Height (to base of top ear node) 8.6	20	6 6.5	6.3	30
0 1 0.1 cm Length of Top Ear Internode 1.9	20	1 4.7	1.7	30
Average Number of Tillers				
* 1. 0 Average Number of Ears per Stalk 0.0	20	1.0	0.0	30
3 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Modera	te 4=Dark	2		i
Application Variety Data	Page 1	Standard I	nbred Data	

Application Variety Data	Page 2		Standard Inbred Data			
5. LEAF:	Standard Deviation	Sample Size	S	tandard Deviation	Sample Size	
* 0 0 8.8 cm Width of Ear Node Leaf	0.5	30	7.5	0.9	30	
* 0 7 3.7 cm Length of Ear Node Leaf	3.3	30	7 4.8	5.7	30	
* 6. 0 Number of leaves above top ear	0.1	10	5.5	0.5	15	
2 9. 7 degrees Leaf Angle	6.4	30	23.5	3.7	30	
<pre>(measure from 2nd leaf above ear a * 0 3 Leaf Color (Munsell code 5 GY 3/4)</pre>	t anthesis to stalk abo	ve leaf)	0 2 (Munse	11 code 5 GY 4/8)		
4 Leaf Sheath Pubescence (Rate on sca.	10 from 1		5			
5 Marginal Waves (Rate on scale from		Cn ruzzj	6			
4 Longitudinal Creases (Rate on scale		,	6			
6. TASSEL:						
* 4.5 Number of Primary Lateral Branches	Standard Deviation	Sample Size		candard Deviation	Sample Size	
	0.2	30	5.5	0.9	30	
1 4. 8 Branch Angle from Central Spike	4.1	30	28.0	8.4	30	
* 4 1.0 cm Tassel Length (from top leaf collar to tassel tip)	2.8	30	4 5.6	2.6	30	
4.2 Pollen Shed (Rate on scale from 0=male st	cerile to 9=heavy shed)		6.8			
1 1 Anther Color (Munsell code 2.5 R 7/6)			0 7 (Munsell o	code 2.5 Y 8/10)		
0 2 Glume Color (Munsell code 5 GY 4/8)			1 7 (Munsell o	code 5 RP 5/8)		
1 Bar Glumes (Glume Bands): 1=Absent 2=Pre	esent	•	1			
7a. EAR (Unhusked Data):		 .				
* 2 2 Silk Color (3 days after emergence) (Munse	ell code 10 Y 8.5/6)			code 2.5 Y 8/10)		
0 2 Fresh Husk Color (25 days after 50% silkin	g) (Munsell code 5 GY	1/8)	0 2 (Munsell	code 5GY 4/8)		
2 1 Dry Husk Color (65 days after 50% Silking)	(Munsell code 2.5 Y 8/	(4)		code 2,5 Y 8/4)		
* 3 Position of Ear at Dry Husk Stage: 1=Uprig	ht 2=Horizontal 3=Pende	ent	1		•	
5 Husk Tightness (Rate on scale from 1=very	loose to 9=very tight)	i	9			
1 Husk Extension (at harvest): 1=Short (ears 3 =Long (8-10 cm beyond ear	exposed) 2=Medium (<8 tip) 4=Very Long (>10	cm)	2			
7b. EAR (Husked Ear Data):	Standard Deviation	Sample Size	. St	andard Deviation	Sample Size	
* 1 3.5 cm Ear Length	0.2	30	1 3.7	0.4	30	
* 3 9.0 mm Ear Diameter at mid-point	0.3	15	4 4.4	1.1	15	
1 1 2.7 gm Ear Weight	7.3	15	1 2 8.7	6.5	15	
* 1 4 Number of Kernel Rows	0.2	15	1 7.6	1.7	15	
2 Kernel Rows: 1=Indistinct 2=Distinct			2			
1 Row Alignment: 1=Straight 2=Slightly	Curved 3=Spiral		1			
0 9.7 cm Shank Length	0.3	15	7.7	2.6	15	
2 Ear Taper: 1=Slight 2=Average 3=Extre	ne		2			
Application Variety Data						
Note: Use chart on first page to choose color codes i			Standard Inbr	ed Data		

Application Variety Data	Page	3	Standard	Inbred Data	
8. KERNEL (Dried):	Standard Deviation	Sample Size		Standard Deviation	Sample Size
1 0.4 mm Kernel Length	0.2	15	1 1.7	0.1	15
0 8.2 mm Kernel Width	0.2	15	7.8	0.3	15
0 4.8 mm Kernel Thickness	0.2	15	4.0	0.2	. 15
3 1. 8 % Round Kernels (Shape Grade)	4.6	500g	3 8.7	6.4	500g
1 Aleurone Color Pattern: 1=Homozygous 2=Se	egregating		1		
(*) 1 9 Aleurone Color (Munsell code Lighter Than	n 2.5 Y 9/2)		1 9 (Mu	nsell code Lighter tha	n 2.5 Y 9/2)
* 0 7 Hard Endosperm Color (Munsell code 2.5 Y	8/10)		2 6 (0:	range) (Munsell code 7	.5 YR 7/8)
* 0 3 Endosperm Type: 1=Sweet (sul) 2=Extra Swe 4=High Amylose Starch 5=Waxy Starch 6=Hi 8=Super Sweet (se) 9=High Oil 10=Other	eet (sh2) 3=Normal Sta igh Protein 7=High Ly:	arch sine	0 3		
2 6. 0 gm Weight per 100 Kernels (unsized sample	e) 1.2	1700 seeds	2 3.1	0.6	2000 seeds
9. COB:	Standard Deviation	Sample Size		Standard Deviation	Sample Size
* 2 4.0 mm Cob Diameter at mid-point	1.0	15	2 7.1	1.7	15
1 4 Cob Color (Munsell code 5 R 3/8)			1 1 (Munse	ell code 5 R 6/6)	
10. DISEASE RESISTANCE (Rate from 1 (most susceptible) leave blank if not tested; leave Race or Straif A. Leaf Blights, Wilts, and Local Infection Diseases 7 Anthracnose Leaf Blight (Colletotrichum graminicol Common Rust (Puccinia sorghi) Common Smut (Ustilago maydis) 7 Eyespot (Kabatiella zeae) Goss's Wilt (Clavibacter michiganense spp. nebrask Goss's Wilt (Clavibacter michiganense spp. nebrask Helminthosporium Leaf Spot (Bipolaris zeicola) -Rae Northern Leaf Blight (Exserohilum turcicum) Race 2 Southern Leaf Blight (Bipolaris maydis) Race 0 Southern Rust (Puccinia polysora) Stewart's Wilt (Erwinia stewartii) Other (Specify) B. Systemic Diseases Corn Lethal Necrosis (MCMV and MDMV) Head Smut (Sphacelotheca reiliana) Maize Chlorotic Dwarf Virus (MCDV) Maize Dwarf Mosaic Virus (MCDV) Maize Dwarf Mosaic Virus (MDMV) Strain Sorghum Downy Mildew of Corn (Peronosclerospora so Other (Specify) C. Stalk Rots	in Options blank if po	olygenic):	6 5 7 7 7 Race 2 5 Race 3 Race 6 6	L	
Anthracnose Stalk Rot (Colletotrichum graminicola) Diplodia Stalk Rot (Stenocarpella maydis) Fusarium Stalk Rot (Fusarium moniliforme) Gibberella Stalk Rot (Gibberella zeae) Other (Specify) D. Ear and Kernel Rots Aspergillus Ear and Kernel Rot (Aspergillus flavus Diplodia Ear Rot (Stenocarpella maydis) Fusarium Ear and Kernel Rot (Fusarium moniliforme) Gibberella Ear Rot (Gibberella zeae) Other (Specify) Application Variety Data)		-		
				Inbred Data	

4 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.) 0 0.0 % Dropped Ears (at 65 days after anthesis) 0 0.0 % Pre-anthesis Brittle Snapping 0 0.0 0 0.0 % Pre-anthesis Root Lodging 0 0.0 0 0.0 % Post-anthesis Root Lodging (at 65 days after anthesis) 0 0.0	Application Variety Data	Pag	re 4	Standard Inbre	ed Data	
Banks Grass Mite (Oligonychus pratensis) Corn Earworm (Heliconverpa zea) Leaf-Feeding Slik Feeding: Slik Feeding:	11. INSECT RESISTANCE (Rate from 1 (most susceptible) t leave blank if not tested):	o 9 (most resistar	it);			
Ear Damage Corn Leaf Aphid (Rhopalosiphum maidis) Corn Spa Beetle (Carpophilus dimidiatus) European Corn Borer (Ostrinia nubilalis) 2 lats Generation (Typically Morl Leaf Feeding) 3 2 lats Generation (Typically Morl Leaf Feeding) 5 Stalk Tunneling: Corn Leaf Typically Leaf Sheath-Collar Feeding) 5 Stalk Tunneling: Fall Armyworm (Spodoptera frugiperda) Leaf Typically Leaf Sheath-Collar Feeding) 5 Stalk Tunneling: Corn Leaf Typically Leaf Sheath-Collar Feeding) 5 Suthern Rootworm (Disbrotica barberi) Southern Rootworm (Disbrotica barberi) Southern Rootworm (Disbrotica barberi) Southern Rootworm (Disbrotica barberi) Southerstern Corn Borer (Distraes grandiosella) Leaf Feeding Stalk Tunneling: Corn Leaf Feeding Stalk Tunneling: Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Disbrotica virgifera virgifera) Other (Specify) 12. AGRONOMIC TRAITS: 4 Stay Green (at 65 days after anthesis) (Rate on a scale from 1-worst to 9-excellent.) 0 0.0 % Pre-anthesis Brittle Snapping 0 0.0 0 0 0.0 % Pre-anthesis Root Lodging 0 0.0 % Pre-anthesis Root Lodging 0 0.0 % Pre-anthesis Root Lodging (at 65 days after anthesis) - Kg/ha Yield of Inbred Per Se (at 12-13% grain moisture) 1 Isozymes 0 RFLP's 0 RAPD's	Corn Earworm (Helicoverpa zea) Leaf-Feeding					
Stalk Tunneling: Fall Armyworm (Spodoptera frugiperda) Leaf-Feeding Silk-Feeding: Maize Weevil (Sitophilus zeamaize) Northern Rootworm (Diabrotica barberi) Southern Rootworm (Diabrotica barberi) Leaf Feeding Stalk Tunneling: — cm tunneled/plant Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Diabrotica virgifera virgifera) Other (Specify) 12. AGRONOMIC TRAITS: 4 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.) 0 0.0 % Pre-anthesis Brittle Snapping 0 0.0 % Pre-anthesis Brittle Snapping 0 0.0 % Pre-anthesis Root Lodging 0 0.0 % Post-anthesis Root Lodging 0 0.0 % Post-anthesis Root Lodging (at 65 days after anthesis) — Kg/ha Yield of Inbred Per Se (at 12-13% grain moisture) 3. MOLECULAR MARKERS: (0=data unavailable; 1=data available but not supplied; 2=data supplied) 1 Isozymes 0 RFLP's 0 RAPD's	Ear Damage Corn Leaf Aphid (Rhopalosiphum maidis) Corn Sap Beetle (Carpophilus dimidiatus) European Corn Borer (Ostrinia nubilalis) 1st Generation (Typically Whorl Leaf Feeding)					
Maize Weevil (Sitophilus zeamaize) Northern Rootworm (Diabrotica barberi) Southern Rootworm (Diabrotica undecimpunctata) Southwestern Corn Borer (Diatraea grandiosella) Leaf Feeding Stalk Tunneling: — m tunneled/plant Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Diabrotica virgifera virgifera) Other (Specify) 12. AGRONOMIC TRAITS: 4 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.) 0 0.0 % Proped Ears (at 65 days after anthesis) 0 0.0 0 0 0.0 % Pre-anthesis Brittle Snapping 0 0.0 0 0 0.0 % Pre-anthesis Root Lodging 0 0.0 % Pre-anthesis Root Lodging (at 65 days after anthesis) - Kg/ha Yield of Inbred Per Se (at 12-13% grain moisture) 1 Isozymes 0 RFLP's 0 RAPD's	Stalk Tunneling: cm tunneled/plant Fall Armyworm (Spodoptera frugiperda) _ Leaf-Feeding					
Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Diabrotica virgifera virgifera) Other (Specify) 12. AGRONOMIC TRAITS: 4 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.) 0 0.0 % Dropped Ears (at 65 days after anthesis) 0 0.0 % Pre-anthesis Brittle Snapping 0 0.0 % Pre-anthesis Root Lodging 0 0.0 % Pre-anthesis Root Lodging (at 65 days after anthesis) 0 0.0 % Post-anthesis Root Lodging (at 65 days after anthesis) 0 0.0 % Markers: (0=data unavailable; 1=data available but not supplied; 2=data supplied) 1 Isozymes 0 RFLP's 0 RAPD's	_ Maize Weevil (Sitophilus zeamaize) Northern Rootworm (Diabrotica barberi) Southern Rootworm (Diabrotica undecimpunctata) Southwestern Corn Borer (Diatraea grandiosella) Leaf Feeding			· - - -		
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COMMENTS (eg. state how heat units were calculated, standard inbred seed source, and/or where data was collected. Continue in Exhibit D):

Heat Unit Calculation: $GDU = \underline{Daily\ Max\ Temp\ (<=86^{\circ}F)\ +\ Daily\ Min\ Temp\ (>=50^{\circ}F)}\ -\ 50^{\circ}F$

Supplemental data provided for pollen shed, ear weight, % round kernels and weight per 100 kernels from 2006 production parent test data and 2006 seed inventory data.

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1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Monsanto Technology L.L.C.		1060062
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
800 N. Lindbergh Blvd.	(815) 758-9281	(815) 758-3117
Creve Couer, MO 63167	7. PVPO NUMBER	
U.S.A.		200500159
9. Is the applicant (individual or company) a U.S. national or a U.S. b	pased company? If no. give name of c	ountry. VES NO
	, , , , , ,	X .III
10. Is the applicant the original owner?	NO If no, please answer one	of the following:
b. If the original rights to variety were owned by a company(ies), YES YES	is (are) the original owner(s) a U.S. bas	ed company?
11. Additional explanation on ownership (Trace ownership from origin	nal breeder to current owner. Use the re	everse for extra space if needed):
Corn Variety I060062 was originated and de Technology L.L.C. By agreement between I rights to any invention, discovery or develop No rights to such invention, discovery or develop	Monsanto Technology L.L.C. and ment are assigned to Monsanto	d the breeder, all Technology L.L.C.
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licens	ees) who meet the following criteria:	
 If the rights to the variety are owned by the original breeder, that penational of a country which affords similar protection to nationals of 	erson must be a U.S. national, national of the U.S. for the same genus and specie	of a UPOV member country, or s.
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.	red the original breeder(s), the company country which affords similar protection to	must be U.S. based, owned by a nationals of the U.S. for the same
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